

ISSUE DATE: 09/15/99 - 07:34

PDT: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0

THURSDAY  
SEPTEMBER 16, 1999  
259-260

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLTL : 20h 52m 4s  
VOYAGER 1  
FDSL : 11AF  
CCSL : A032  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : ON

S/C 31 STATUS

---

FDS CLOCK DRIFT:  
ADD TO S/C EVENT  
ERT: -17.603 sec

---

ROLLREF = RIGIL  
KENTAURUS

FDS MODE CR-5T  
XB DATA RATE (MI) 160 (32)

31 0700 14 [D] 1535 |----- 63 [D] -----| 1935 2130 |----- 24 [D] -----| 0555

HPTXR

DSN COVERAGE

32 ----- 43 [D] -----| 1035 0130 |----- 43 [D] -----

1015 |----- 42 [o] -----| 1625

HPTXR

RTLTL : 16h 13m 22s  
VOYAGER 2  
FDSL : 11AF  
CCSL : B105  
TWNC : ON  
SB : OFF XB : HI  
PYR : .05/ .10/ .25  
GYROS : ON

S/C 32 STATUS

---

FDS CLOCK DRIFT:  
ADD TO S/C EVENT  
ERT: -2.595 sec

---

ROLLREF = VEGA

FDS MODE CR-5T  
XB DATA RATE (MI) 160 (32)

VOYAGER COVERAGE ----- ON CALL -----

NOTES

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 09/15/99 - 07:34

PDT: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0

FRIDAY  
SEPTEMBER 17, 1999  
260-261

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLT : 20h 52m 28s  
 VOYAGER 1  
 FDSL : 11AF  
 CCSL : A032  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10/ .25  
 GYROS : ON

FDS MODE CR-5T  
 XB DATA RATE (MI) 160 (32)

1200 RTLT=20h 52m 40s 0000 RTLT=20h 52m 52s

31 2325 |----- 24 [D] -----| 0550

DSN COVERAGE HPTXR

32 ----- 43 [D] ----- | 1030 0200 |----- 43 [D] -----

HPTXR

RTLT : 16h 13m 44s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL : B105  
 TWNC : ON  
 SB : OFF XB : HI  
 PYR : .05/ .10/ .25  
 GYROS : ON

1200 RTLT=16h 13m 56s 0000 RTLT=16h 14m 8s

----- COMMAND MORATORIUM -----

↓ 0727 AAI  
 |----- MAGROL -----| 0730 - 1325  
 ↓ 1318 RAI  
 ↓ 1325 CRU  
 ↓ 1325 GYROS OFF

FDS MODE CR-5T  
XB DATA RATE (MI) 160 (32)

VOYAGER COVERAGE ----- VGR ----- |----- ON CALL -----|

NOTES [1] S/C 32 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (0730-1325)

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 09/15/99 - 07:34

PDT: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0

SATURDAY  
SEPTEMBER 18, 1999  
261-262

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLT : 20h 52m 52s  
 VOYAGER 1  
 FDSL : 11AF  
 CCSL : A032  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10/ .25  
 GYROS : ON

1200 RTLT=20h 53m 4s  
 0000 RTLT=20h 53m 14s

↓ 1801 GYRO INIT

FDS MODE CR-5T  
 XB DATA RATE (MI) 160 (32)

31 1420 |----- 63 [D] -----| 1940  
 1935 |----- 25 [D] -----| 0605

DSN COVERAGE HPTXR

32 43 [D] | 0805  
 |----- 42 [D] -----| 0745 - 1330  
 0545 | 42 [D] |

HPTXR

RTLT : 16h 14m 8s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL : B105  
 TWNC : ON  
 SB : OFF XB : HI  
 PYR : .05/ .10/ .25  
 GYROS : OFF

1200 RTLT=16h 14m 20s  
 0000 RTLT=16h 14m 30s

COMMAND MORATORIUM -----| 2111

FDS MODE CR-5T  
 XB DATA RATE (MI) 160 (32)

VOYAGER COVERAGE ----- ON CALL -----

NOTES

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 09/15/99 - 07:34

PDT: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0

SUNDAY  
SEPTEMBER 19, 1999  
262-263

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLT : 20h 53m 14s  
 VOYAGER 1  
 FDSL : 11AF  
 CCSL : A032  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10/ .25  
 GYROS : ON

FDS MODE CR-5T  
 XB DATA RATE (MI) 160 (32)

1200 RTLT=20h 53m 26s 0000 RTLT=20h 53m 38s

31 1110 |-----63 [D]-----| 1435 1900 |---54 [D]---| 2135 0000 |-----24 [D]-----| 0545

DSN COVERAGE HPTXR

32 |-----42 [D]-----| 1425 1405 |-----45 [D]-----| 1735 42 [D] 0630 |---

HPTXR

RTLT : 16h 14m 30s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL : B105  
 TWNC : ON  
 SB : OFF XB : HI  
 PYR : .05/ .10/ .25  
 GYROS : OFF

FDS MODE CR-5T  
 XB DATA RATE (MI) 160 (32)

VOYAGER COVERAGE ----- ON CALL -----

1200 RTLT=16h 14m 42s 0000 RTLT=16h 14m 54s

NOTES

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 09/15/99 - 07:34

PDT: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0

MONDAY  
SEPTEMBER 20, 1999  
263-264

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLT : 20h 53m 38s  
 VOYAGER 1  
 FDSL : 11AF  
 CCSL : A032  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10/ .25  
 GYROS : ON

FDS MODE CR-5T  
 XB DATA RATE (MI) 160 (32)

1200 RTLT=20h 53m 50s 0000 RTLT=20h 54m 2s

31 2325 |----- 24 [D] -----| 0540

DSN COVERAGE HPTXR  
 32 ----- 42 [D] ----- | 1610

HPTXR

RTLT : 16h 14m 54s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL : B105  
 TWNC : ON  
 SB : OFF XB : HI  
 PYR : .05/ .10/ .25  
 GYROS : OFF

FDS MODE CR-5T  
 XB DATA RATE (MI) 160 (32)

1200 RTLT=16h 15m 6s 0000 RTLT=16h 15m 18s

VOYAGER COVERAGE ----- ON CALL -----

NOTES

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 09/15/99 - 07:34

PDT: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0

TUESDAY  
SEPTEMBER 21, 1999  
264-265

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLTL : 20h 54m 2s

1200 RTLTL=20h 54m 12s

0000 RTLTL=20h 54m 24s

PWS/RH 0509 | 0510

VOYAGER 1

FDSL : 11AF

CCSL : A032  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : ON

0509  
GS-4B 0510

FDS MODE  
XB DATA RATE (MI)

CR-5T

CR-5T

160 (32)

160(32)

31

2355 |----- 24 [D] -----| 0535

DSN COVERAGE  
HPTXR

32

0935 |----- 42 [o] -----| 1430

0330 |----- 42 [D] -----|

1410 |----- 45 [D] -----| 1730

0110 |--- 43 [D] ---| 0345

HPTXR

RTLTL : 16h 15m 18s

1200 RTLTL=16h 15m 28s

0000 RTLTL=16h 15m 40s

2214 |----- COMMAND MORATORIUM -----|

VOYAGER 2

FDSL : 11AF

CCSL : B105  
TWNC : ON  
SB : OFF XB : HI  
PYR : .05/ .10/ .25  
GYROS : OFF

0413 | 0413 PWS/RH  
0526 | PLSCAL |  
0526 | MAGCAL |  
0526 | PESCAL |

FDS MODE  
XB DATA RATE (MI)

CR-5T

CR-5T

160 (32)

160(32)

0413  
GS-4B 0413

VOYAGER COVERAGE

----- ON CALL -----

NOTES

- [1] S/C 32=GS-4B @ 0413 XB=2.8K(41) NOT RECOVERABLE
- [2] S/C 31=GS-4B @ 0509 XB=2.8K(41) NOT RECOVERABLE

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 09/15/99 - 07:34

PDT: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0

WEDNESDAY  
SEPTEMBER 22, 1999  
265-266

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLT : 20h 54m 24s

1200 RTLT=20h 54m 36s

0000 RTLT=20h 54m 48s

VOYAGER 1

FDSL : 11AF

CCSL : A032  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : ON

↓ 2230 BAY 1 HTR OFF X/B LOW POWER 0600 ↓  
↓ 2234 X/B HI POWER BAY 1 HTR ON 0604 ↓  
↓ 2340 AAI  
2343 |----- MAGROL -----| 0538  
RAI 0531 ↓  
CRU 0538 ↓  
GYROS OFF 0538 ↓  
▼ 0300 DUMMY (23:54)  
U/L 0540 | - |  
TLC (SHORT-FORM) |-----

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

31

2230 |----- 24 [D] -----| 0210  
0150 - 0630 |----- 14 [T] -----|

DSN COVERAGE HPTXR

32

----- 42 [D] ----- | 1115  
1400 |----- 45 [D] ----- | 1725  
0530 |----- 42 [D] ----- |

HPTXR

1200 RTLT=16h 15m 52s

0000 RTLT=16h 16m 4s

RTLT : 16h 15m 40s

----- COMMAND MORATORIUM -----

VOYAGER 2

↓ 1400 X/B LOW POWER  
↓ 1404 BAY 1 HTR ON

FDSL : 11AF

| 0709 PLSCAL  
MAGCAL | 0829  
- PESCAL - | 0846

CCSL : B105  
TWNC : ON  
SB : OFF XB : HI  
PYR : .05/ .10/ .25  
GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

VOYAGER COVERAGE

----- ON CALL ----- | VGR |----- ON CALL ----- |----- VGR ----- |  
ON CALL |-----

NOTES

[1] S/C 31 - D/L AGC VARIATIONS EXPECTED DURING MAGROL (2343-0538)

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 09/15/99 - 07:34

PDT: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0

THURSDAY  
SEPTEMBER 23, 1999  
266-267

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLT : 20h 54m 48s

1200 RTLT=20h 55m 0s

0000 RTLT=20h 55m 10s

↓ 0028 SLEW->DARK PLATE UPDATE

VOYAGER 1

FDSL : 11AF

CCSL : A032  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

----- TLC (SHORT-FORM) -----

+ D/L -| 0403

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

31

2230 |----- 24 [D] -----| 0415

DSN COVERAGE  
HPTXR

32

42 [D]

| 1430

1400 |----- 34 [D] -----| 1710

0100 | - 43 [B] - -| 0245

HPTXR

RTLT : 16h 16m 4s

1200 RTLT=16h 16m 16s

0000 RTLT=16h 16m 26s

----- COMMAND MORATORIUM -----

| 2148

VOYAGER 2

DUMMY (BRACKETED 5MIN NO D/L) 0127 ▼

FDSL : 11AF

CCSL : B105  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

VOYAGER COVERAGE

----- ON CALL -----

+ -- VGR -- +

----- ON CALL -----

NOTES

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7



ISSUE DATE: 09/15/99 - 07:34

PDT: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0

FRIDAY  
SEPTEMBER 24, 1999  
267-268

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLT : 20h 55m 10s  
 VOYAGER 1  
 FDSL : 11AF  
 CCSL : A032  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10/ .25  
 GYROS : OFF

FDS MODE CR-5T  
 XB DATA RATE (MI) 160(32)

1200 RTLT=20h 55m 22s 0000 RTLT=20h 55m 34s

DSN COVERAGE HPTXR

31 1050 | - 63 [D] - | 1225 2250 | ----- 24 [D] ----- | 0525

32 0945 | ----- 42 [o] ----- | 1430 0100 | ----- 43 [D] -----

1355 | ----- 45 [D] ----- | 1725

HPTXR

RTLT : 16h 16m 26s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL : B105  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10/ .25  
 GYROS : OFF

FDS MODE CR-5T  
 XB DATA RATE (MI) 160(32)

VOYAGER COVERAGE ----- ON CALL -----

NOTES

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 09/15/99 - 07:34

PDT: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0

SATURDAY  
SEPTEMBER 25, 1999  
268-269

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLT : 20h 55m 34s  
 VOYAGER 1  
 FDSL : 11AF  
 CCSL : A032  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10/ .25  
 GYROS : OFF

1200 RTLT=20h 55m 46s  
 0000 RTLT=20h 55m 56s

FDS MODE CR-5T  
 XB DATA RATE (MI) 160(32)

31 1050 | 63 [D] - | 1220 2310 | ----- 24 [D] ----- | 0520

DSN COVERAGE HPTXR  
 32 ----- 43 [D] ----- | 0955 0450 | --- 43 [D] --- |

HPTXR  
 0945 | ----- 42 [D] ----- | 1430  
 1415 | --- 34 [o] --- | 1700

RTLT : 16h 16m 50s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL : B105  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10/ .25  
 GYROS : OFF

1200 RTLT=16h 17m 2s  
 0000 RTLT=16h 17m 14s

FDS MODE CR-5T  
 XB DATA RATE (MI) 160(32)

VOYAGER COVERAGE ----- ON CALL -----

NOTES

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 09/15/99 - 07:34

PDT: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0

SUNDAY  
SEPTEMBER 26, 1999  
269-270

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLT : 20h 55m 56s  
 VOYAGER 1  
 FDSL : 11AF  
 CCSL : A032  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10/ .25  
 GYROS : OFF

FDS MODE CR-5T  
 XB DATA RATE (MI) 160(32)

1200 RTLT=20h 56m 8s 0000 RTLT=20h 56m 20s

31 2215 |----- 24 [D] -----| 0515

DSN COVERAGE HPTXR

32 ----- 43 [D] -----| 0950 0525 |----- 43 [D] -----|

0945 |----- 42 [D] -----| 1425  
 1405 |----- 45 [D] -----| 1720

HPTXR

RTLT : 16h 17m 14s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL : B105  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10/ .25  
 GYROS : OFF

FDS MODE CR-5T  
 XB DATA RATE (MI) 160(32)

1200 RTLT=16h 17m 26s 0000 RTLT=16h 17m 38s

VOYAGER COVERAGE ----- ON CALL -----

NOTES

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 09/15/99 - 07:34

PDT: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0

MONDAY  
SEPTEMBER 27, 1999  
270-271

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLT : 20h 56m 20s  
 VOYAGER 1  
 FDSL : 11AF  
 CCSL : A032  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10/ .25  
 GYROS : OFF

1200 RTLT=20h 56m 30s  
 0000 RTLT=20h 56m 42s

FDS MODE CR-5T  
 XB DATA RATE (MI) 160(32)

31 2300 |----- 14 [D] -----| 0540

DSN COVERAGE HPTXR

32 ----- 43 [D] -----| 1155  
 1135 |----- 42 [o] -----| 1420  
 1400 |----- 45 [D] -----| 1715

HPTXR

RTLT : 16h 17m 38s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL : B105  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10/ .25  
 GYROS : OFF

1200 RTLT=16h 17m 50s  
 0000 RTLT=16h 18m 2s

FDS MODE CR-5T  
 XB DATA RATE (MI) 160(32)

VOYAGER COVERAGE ----- ON CALL -----

NOTES

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 09/15/99 - 07:34

PDT: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0

TUESDAY  
SEPTEMBER 28, 1999  
271-272

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLTL : 20h 56m 42s

1200 RTLTL=20h 56m 54s

0000 RTLTL=20h 57m 4s

0447 | 0448 PWS/RH

VOYAGER 1

FDSL : 11AF

CCSL : A032  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

0447  
GS-4B 0448

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

CR-5T  
160(32)

31

2145 |-----24 [D]-----| 0510

DSN COVERAGE  
HPTXR

32

-----42 [D]-----| 1410  
1400 |-----45 [D]-----| 1710

HPTXR

RTLTL : 16h 18m 2s

1200 RTLTL=16h 18m 12s

0000 RTLTL=16h 18m 24s

0350 | 0351 PWS/RH

VOYAGER 2

FDSL : 11AF

CCSL : B105  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

0350  
GS-4B 0351

FDS MODE  
XB DATA RATE (MI)

CR-5T  
160(32)

CR-5T  
160(32)

VOYAGER COVERAGE

-----ON CALL-----

NOTES

[1] S/C 32=GS-4B @ 0350 XB=2.8K(41) NOT RECOVERABLE  
[2] S/C 31=GS-4B @ 0447 XB=2.8K(41) NOT RECOVERABLE

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 09/15/99 - 07:34

PDT: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0

WEDNESDAY  
SEPTEMBER 29, 1999  
272-273

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLT : 20h 57m 4s  
 VOYAGER 1  
 FDSL : 11AF  
 CCSL : A032  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10/ .25  
 GYROS : OFF

1200 RTLT=20h 57m 16s  
 0000 RTLT=20h 57m 28s

FDS MODE CR-5T  
 XB DATA RATE (MI) 160(32)

31 2330 |----- 24 [D] -----| 0505

DSN COVERAGE HPTXR

32 0900 |----- 42 [D] -----| 1415  
 1355 |----- 45 [D] -----| 1655

HPTXR

RTLT : 16h 18m 24s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL : B105  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10/ .25  
 GYROS : OFF

1200 RTLT=16h 18m 36s  
 0000 RTLT=16h 18m 48s

FDS MODE CR-5T  
 XB DATA RATE (MI) 160(32)

VOYAGER COVERAGE ----- ON CALL -----

NOTES

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 09/15/99 - 07:34

PDT: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0

THURSDAY  
SEPTEMBER 30, 1999  
273-274

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLT : 20h 57m 28s | 1200 RTLT=20h 57m 38s | 0000 RTLT=20h 57m 50s

VOYAGER 1

FDSL : 11AF

CCSL : A032

TWNC : ON

SB : OFF XB : LOW

PYR : .05/ .10/ .25

GYROS : OFF

▼ 0200 DUMMY (22:57)

0210 | U/L

----- TLC SHORT-FORM -----

FDS MODE CR-5T

XB DATA RATE (MI) 160(32)

31 1230 |----- 63 [D] -----| 1845

2105 |----- 24 [D] -----| 0100

0045 |----- 14 [T] -----| 0405

HPTXR

DSN COVERAGE

32 0810 |----- 42 [o] -----| 1305

1355 |----- 45 [D] -----| 1650

0040 |----- 43 [B] -----|

HPTXR

RTLT : 16h 18m 48s | 1200 RTLT=16h 19m 0s | 0000 RTLT=16h 19m 12s

VOYAGER 2

DUMMY (BRACKETED 5MIN NO D/L) 0107 ▼

FDSL : 11AF

CCSL : B105

TWNC : ON

SB : OFF XB : LOW

PYR : .05/ .10/ .25

GYROS : OFF

FDS MODE CR-5T

XB DATA RATE (MI) 160(32)

VOYAGER COVERAGE ----- ON CALL ----- | VGR ----- | ON CALL -----

NOTES

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 09/15/99 - 07:34

PDT: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0

FRIDAY  
OCTOBER 1, 1999  
274-275

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLT : 20h 57m 50s

1200 RTLT=20h 58m 0s

0000 RTLT=20h 58m 12s

VOYAGER 1

FDSL : 11AF

CCSL : A032  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

TLC SHORT-FORM

D/L 0403

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

1430 |----- 63 [D] -----| 1845

2145 |----- 24 [D] -----| 0455

DSN COVERAGE  
HPTXR

32

43 [B] ---| 0930

0030 |----- 43 [D] -----

0910 |----- 42 [D] -----| 1420

1400 |----- 45 [D] -----| 1700

HPTXR

RTLT : 16h 19m 12s

1200 RTLT=16h 19m 24s

0000 RTLT=16h 19m 36s

VOYAGER 2

FDSL : 11AF

CCSL : B105  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

VOYAGER COVERAGE

ON CALL

NOTES

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7



ISSUE DATE: 09/15/99 - 07:34

PDT: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0

SATURDAY  
OCTOBER 2, 1999  
275-276

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLT : 20h 58m 12s

1200 RTLT=20h 58m 22s

0000 RTLT=20h 58m 34s

↓ 2230 SLEW->HELIO-1C

VOYAGER 1

FDSL : 11AF

CCSL : A032  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

31

1045 |----- 63 [D] -----

1845

1855 |----- 24 [D] -----| 0455

DSN COVERAGE  
HPTXR

32

43 [D] ---| 0910

0905 |----- 42 [o] -----

1420

1400 |----- 45 [D] -----| 1645

0420 |--- 43 [D] ---|

HPTXR

RTLT : 16h 19m 36s

1200 RTLT=16h 19m 48s

0000 RTLT=16h 20m 0s

VOYAGER 2

FDSL : 11AF

CCSL : B105  
TWNC : ON  
SB : OFF XB : LOW  
PYR : .05/ .10/ .25  
GYROS : OFF

FDS MODE  
XB DATA RATE (MI)

CR-5T

160(32)

VOYAGER COVERAGE

ON CALL

NOTES

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 09/15/99 - 07:34

PDT: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0

SUNDAY  
OCTOBER 3, 1999  
276-277

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLT : 20h 58m 34s  
 VOYAGER 1  
 FDSL : 11AF  
 CCSL : A032  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10/ .25  
 GYROS : OFF

1200 RTLT=20h 58m 44s  
 0000 RTLT=20h 58m 56s

FDS MODE CR-5T  
 XB DATA RATE (MI) 160(32)

31 1015 |----- 63 [D] -----| 1815  
 1850 |----- 24 [D] -----| 0445

HPTXR  
 DSN COVERAGE 32 --- 43 [D] ---| 0920 0455 |--- 43 [D] ---|  
 0940 |----- 42 [D] -----| 1420  
 1400 |----- 45 [D] -----| 1650

HPTXR

RTLT : 16h 20m 0s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL : B105  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10/ .25  
 GYROS : OFF

1200 RTLT=16h 20m 12s  
 0000 RTLT=16h 20m 24s

FDS MODE CR-5T  
 XB DATA RATE (MI) 160(32)

VOYAGER COVERAGE ----- ON CALL -----

NOTES

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

ISSUE DATE: 09/15/99 - 07:34

PDT: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0

MONDAY  
OCTOBER 4, 1999  
277-278

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

RTLT : 20h 58m 56s  
 VOYAGER 1  
 FDSL : 11AF  
 CCSL : A032  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10/ .25  
 GYROS : OFF

1200 RTLT=20h 59m 6s  
 0000 RTLT=20h 59m 18s

FDS MODE CR-5T  
 XB DATA RATE (MI) 160(32)

31 1015 |----- 63 [D] -----| 1815  
 1845 |----- 24 [D] -----| 0005  
 2345 |----- 14 -----| 0405

HPTXR  
 DSN COVERAGE  
 32 --- 43 [D] ---| 0915  
 0855 |----- 42 [D] -----| 1515

HPTXR

RTLT : 16h 20m 24s  
 VOYAGER 2  
 FDSL : 11AF  
 CCSL : B105  
 TWNC : ON  
 SB : OFF XB : LOW  
 PYR : .05/ .10/ .25  
 GYROS : OFF

1200 RTLT=16h 20m 36s  
 0000 RTLT=16h 20m 48s

FDS MODE CR-5T  
 XB DATA RATE (MI) 160(32)

VOYAGER COVERAGE ----- ON CALL -----

NOTES

UTC: 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7